



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/BMK/W.No.14/CSR.1/726d/CEMENT/2014-15

Date: 08.01.2015

TEST REPORT ON CEMENT

* CUSTOMER	: Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* AGENCY	: Mr. B. Mohan Kumar, No.237, 15 th Cross, 2 nd Stage, Mahalakshmi Layout, Bangalore.
* NAME OF THE WORK	: Improvements and Asphalting Main Road and Cross Roads at Bhuvaneshwari Nagara in Bagalagunte in Ward No.14, BBMP, Bangalore.
REFERENCE	: BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 05.01.2015
SAMPLE ID	: Cement
SAMPLE RECEIVED ON	: 05.01.2015
PERIOD OF TESTING	: 05.01.2015 to 08.01.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	495 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH .C
 Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

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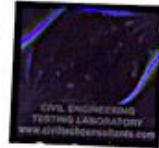


Job No.: CTCE/BBMP/BMK/W.No.14/CSR.1/726d/SAND-Gradation/2014-15

: 08.01.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency : Mr. B. Mohan Kumar,
No.237, 15th Cross, 2nd Stage, Mahalakshmi Layout, Bangalore.
* Name of Work : Improvements and Asphaltting Main Road and Cross Roads at Bhuvaneshwari Nagara
in Bagalagunte in Ward No.14, BBMP, Bangalore.
Reference : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 05.01.2015
Technical Reference : IS : 2386 Part 1 - 1963 RA-2007
Sample ID : Fine Aggregates
Sample Received on : 05.01.2015
Date of Testing : 08.01.2015



Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	93.26	90-100	90-100	90-100	95-100
2.36	80.94	60-95	75-100	85-100	95-100
1.18	55.08	30-70	55-90	75-100	90-100
600 Micron	24.84	15-34	35-59	60-79	80-100
300 Micron	11.58	5-20	8-30	12-40	15-50
150 Micron	5.34	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

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Job No.: CTCE/BBMP/BMK/W.No.14/CSR.1/726d/CUBE/2014-15

26.02.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Client : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

* Agency : Mr. B. Mohan Kumar,
No.237, 15th Cross, 2nd Stage, Mahalakshmi Layout, Bangalore.

* Name of the work : Improvements and Asphaltting Main Road and Cross Roads at
Bhuvaneshwari Nagara in Bagalagunte in Ward No.14, BBMP, Bangalore.

* Reference : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 05.01.2015

* Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

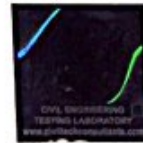
Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* Grade of Concrete : M₁₅

Compressive Strength as on: 28th day

Sample Received on : 29.01.2015



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	29.01.2015	26.02.2015	8.184	366.5	16.29
2	29.01.2015	26.02.2015	8.267	374.8	16.66
3	29.01.2015	26.02.2015	8.352	389.4	17.31

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